

Appendix C: Project Design Criteria and Conservation Measures

The following project design criteria (PDCs) are project- and site-specific best management practices (BMPs) developed for the upper North Fork Siuslaw River Riparian Thin Project and are consistent with the USDA National Best Management Practices for Water Quality Management on National Forest System Lands, Volume 1: National Core BMP technical guide (USDA forest service 2012).

Criteria number	Objective	Design criteria for action alternatives except where specified
Aquatics		
Aquatics-1	Reduce burn severity and soil impacts and preserve habitat in riparian areas	<i>Hand piles – Riparian Areas</i> <ul style="list-style-type: none">• No hand piling would occur within 40 feet from the stream channel• Hand piles should not exceed 60 piles per acre to keep pile area less than 5% of riparian area. Hand piles should be approximately 8 feet x 8 feet, and 20 feet apart.• Where possible, retain large wood that is at least 10 feet long and 12 inches or greater.• In units where these criteria are not possible, consult with an aquatic specialist.
Aquatics-2	Protect bank stability	<i>Conifer felling – Riparian Areas</i> <ul style="list-style-type: none">• There is a 30 foot no treatment buffer from any stream• Conifers will be felled away from the stream
Aquatics-3	Reduce soil impacts and prevent sediment delivery to streams	<i>Mechanized equipment –Riparian Areas</i> <p>There would be no mechanized equipment within 40 feet of any stream</p>
Aquatics-4	Reduce soil impacts and prevent sediment delivery to streams	<i>Ground-based logging activities – RHCAs</i> <ul style="list-style-type: none">• There would be no ground-based logging within 40 feet of any stream

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		<ul style="list-style-type: none"> • There would be no skidding/yarding across stream channels • There would be no landings in RHCAs
Aquatics-5	Reduce potential for sediment delivery to streams	<p>Log haul - exemptions</p> <p>Roads exempt from hauling restrictions (due to no mechanism for sediment delivery) include paved roads, surfaced ridge top roads, surfaced outsloped roads with no ditch or stream crossings.</p>
Aquatics-6	Reduce potential for chemical contaminants in waterbodies	<p>Fueling in RHCAs</p> <ul style="list-style-type: none"> • No fueling of chainsaws would occur within 50 feet of stream channels. Any fueling that needs to occur within 50' would be confined within a spill container (Ex. Volume pumps for drafting water). • Heavy equipment (yarder/skidder) and will be refueled at landings or service areas only; located at a minimum of 150 feet away from all stream channels. • Refueling drip torches will occur at landings or service areas, a minimum of 150 feet from streams.
Aquatics-7		<p>Thinning Treatments</p> <ul style="list-style-type: none"> • Only fell trees 13-19 inches dbh • Create average of 4 snags per acre • Fall and leave 2 trees per acre • No yarding will occur past October 15